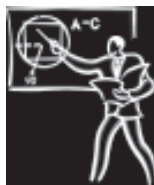


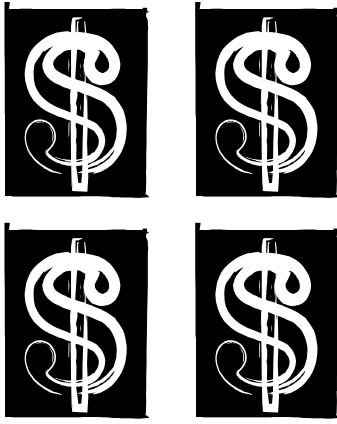
Utah

Metro Job Trends

June 2003



Utah Department of Workforce Services
Current through June 2004



Wages

On average, workers in nonurban areas can expect to earn lower wages than statewide figures.

The wage rates in this publication show the entry-level and average wages for experienced workers.

Average wages combine figures for workers with 30 years of experience as well as those with three years of experience.

Workers entering an occupation for the first time should

use entry-level wages for decision-making purposes. Wages were collected by the Utah Department of Workforce Services between October 2001 and July 2002. For more information on occupational wages visit our web site:

<http://jobs.utah.gov/wi>

Fastest-Growing or Most Openings?

Don't be Fooled!

Fast-growing occupations might create only a few jobs!



Question:

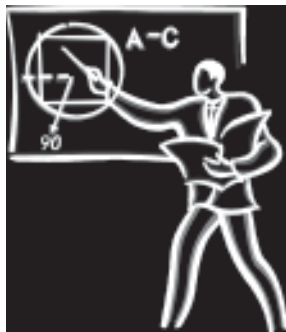
Should I pay the most attention to occupations with the most new openings or those that are the "fastest growing?"



Answer:

Job growth can be measured by the *percent* change and the *numeric* change. The fastest-growing occupations do not necessarily provide the largest number of jobs. In fact, an occupation with a large number of existing workers and a small growth rate may produce many more openings than a smaller occupation with a faster growth rate.

For example, the rate of growth for paralegals may be twice that of nurses. But, there are 10 times as many nursing openings as paralegal openings. Generally, it's best to concentrate on occupations with the most openings. However, often when occupations are growing rapidly, there may be short-term shortages of workers. Further research would be necessary! Don't think that a rapidly growing occupation is the sure road to job-seeking success.



T Training Levels

Training levels describe how *most* workers become proficient in their occupations.

Bachelor's Degree or Higher

This category includes professional degrees (such as law and medicine), doctoral degrees, master's degrees, bachelor's degrees, and work experience in an occupation require a bachelor's or higher degree (such as managers).

Associate's Degree or Applied Technology

Associate's degrees usually require at least two years of full-time academic schooling after high school. Many of these occupations are health related. Occupations in the vocational training category generally require completion of applied technology training programs or courses that do not result in a degree. Program lengths vary greatly and can lead to certification or a diploma. Some of these occupations require a license.

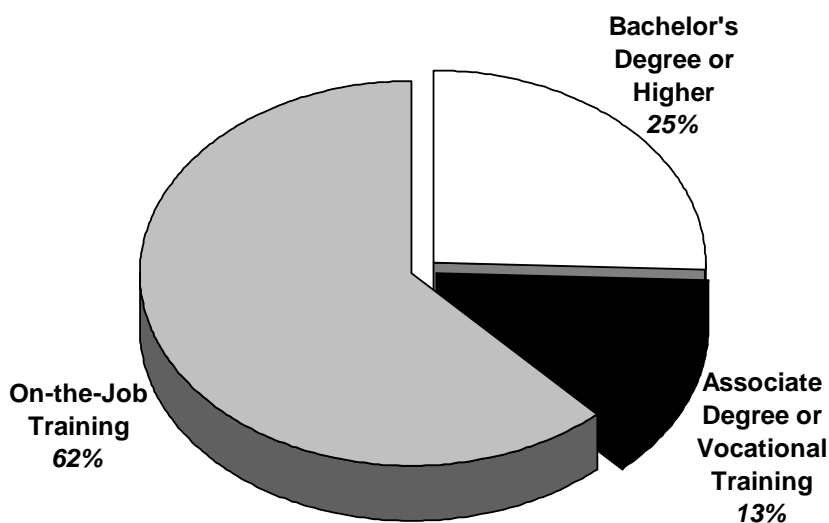
On-the-Job Training

These occupations typically require from just a few days or weeks training to more than 12 months of on-the-job training or combined work experience and formal classroom instruction before workers develop skill needed for average job performance. Training can include watching experienced workers.

Trainees can be given progressively more difficult assignments as they show their mastery of lower-level skills.

These positions can be separated into three levels—long-term (12 or more months), moderate-term (one to 12 months) or short-term (a few days to several weeks).

Utah Metro New Jobs by Training Level 2000-2010



Source: Utah Department of Workforce Services.

Bachelor's Degree or Higher



Most Openings

(300 or More Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
General and Operations Managers	\$15.90	\$31.60	Experience & Degree
Elementary School Teachers, Ex Special Education	\$25,680	\$37,470 *	Bachelor's
Secondary School Teachers, Ex Special/Vocational Ed	\$33,020	\$47,220 *	Bachelor's
Computer Software Engineers, Applications	\$23.10	\$34.80	Bachelor's

More Openings

(130 to 299 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Accountants and Auditors	\$14.00	\$20.80	Bachelor's
Middle School Teachers, Ex Special/Vocational Ed	\$27,530	\$38,240 *	Bachelor's
Computer Systems Analysts	\$18.90	\$25.90	Bachelor's
Chief Executives	\$26.90	\$49.90	Experience & Degree
Financial Managers	\$14.90	\$29.10	Experience & Degree
Preschool Teachers, Except Special Education	\$7.60	\$9.20	Bachelor's
Sales Managers	\$16.60	\$30.40	Experience & Degree
Operations Research Analysts			Master's
Computer Software Engineers, Systems Software			Bachelor's
Computer Programmers	\$18.40	\$27.80	Bachelor's
Insurance Sales Agents	\$15.50	\$24.80	Bachelor's
Recreation Workers	\$6.00	\$8.10	Bachelor's
Computer and Information Systems Managers	\$19.30	\$34.30	Experience & Degree

Lots of Openings

(90 to 129 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Securities/Commodities/Financial Svcs Sales Agents	\$15.40	\$29.60	Bachelor's
Lawyers	\$34.00	\$50.90	Professional Degree
Pharmacists	\$28.80	\$35.50	Professional Degree
Sales Engineers			Bachelor's
Management Analysts	\$18.40	\$31.50	Experience & Degree
Network and Computer Systems Administrators	\$17.00	\$24.50	Bachelor's
Medical and Health Services Managers	\$18.00	\$29.90	Experience & Degree
Property/Real Estate/Community Association Managers	\$7.00	\$15.70	Bachelor's
Child, Family, and School Social Workers	\$10.10	\$16.00	Bachelor's
Multi-Media Artists and Animators	\$11.70	\$18.90	Bachelor's
Clinical, Counseling, and School Psychologists			Master's
Educational, Vocational, and School Counselors	\$10.00	\$16.30	Master's
Administrative Services Managers	\$12.70	\$22.40	Experience & Degree
Marketing Managers	\$20.70	\$35.00	Experience & Degree

*Annual Wages

Source: Utah Department of Workforce Services.

Associate Degree or Post High School Vocational Training



Most Openings

(300 or More Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Registered Nurses	\$18.00	\$22.40	Associate
Computer Support Specialists	\$8.10	\$12.20	Associate

More Openings

(100 to 299 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Automotive Service Technicians and Mechanics	\$9.20	\$15.20	Vocational
Hairdressers, Hairstylists, and Cosmetologists	\$7.40	\$10.10	Vocational
Bus and Truck Mechanics and Diesel Engine Specialists	\$10.80	\$15.70	Vocational
Welders, Cutters, Solderers, and Brazers	\$10.20	\$13.70	Vocational
Licensed Practical and Licensed Vocational Nurses	\$11.50	\$14.60	Vocational
Fitness Trainers and Aerobics Instructors	\$9.20	\$17.80	Vocational

Lots of Openings

(70 to 99 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Electrical and Electronic Engineering Technicians	\$8.10	\$17.20	Associate
Medical and Clinical Laboratory Technicians	\$13.00	\$18.80	Associate
Medical Secretaries	\$9.10	\$11.50	Vocational
Psychiatric Technicians	\$8.30	\$9.70	Vocational
Legal Secretaries	\$11.80	\$14.90	Vocational
Emergency Medical Technicians and Paramedics	\$7.70	\$10.50	Vocational

Source: Utah Department of Workforce Services.

There ^{is} more



"But, the occupation I want isn't listed here. . ."

"I want more information . . ."

"You don't show the exact number of openings for the jobs listed in the chart. . ."

Not to worry. . . you can find detailed information on the demand for many more Utah occupations on our website:

<http://jobs.utah.gov/wi>

Just click on the "Career Exploration" button on the left-hand side of the page. Here, you'll be able to look at a full table of projections for hundreds of occupations in Utah. Jobs are also sorted by training level, fastest-growing, most new openings, wages, etc.

All this information is just a few mouse clicks away. . .

On-the-Job Training



Most Openings

(300 or More Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Retail Salespersons	\$6.50	\$9.90	Short
Cashiers	\$6.00	\$7.70	Short
Combined Food Preparation/Serving Wkrs, Inc Fast Food	\$6.00	\$6.90	Short
Customer Service Representatives	\$8.60	\$11.40	Moderate
Office Clerks, General	\$7.70	\$10.60	Short
Waiters and Waitresses	\$5.90	\$7.70	Short
Janitors and Cleaners, Ex Maids/Housekeeping Cleaners	\$6.30	\$8.60	Short
Teacher Assistants	\$13.910	\$18,250 *	Short
Stock Clerks and Order Fillers	\$7.50	\$10.20	Short
Laborers and Freight, Stock, and Material Movers, Hand	\$7.30	\$10.30	Short
First-Line Supervisors/Managers of Retail Sales Workers	\$9.60	\$15.10	Related Experience
Carpenters	\$11.30	\$15.70	Long
Sales Reps, Whlsle/Manuf, Ex Tech/Scientific Products	\$12.80	\$22.70	Moderate
Truck Drivers, Heavy and Tractor-Trailer	\$12.90	\$17.60	Moderate
Counter Attendants, Cafeteria/Food Con/Coffee Shop	\$6.00	\$7.00	Short
Receptionists and Information Clerks	\$7.60	\$9.70	Short
Nursing Aides, Orderlies, and Attendants	\$7.70	\$8.80	Short
Maids and Housekeeping Cleaners	\$6.10	\$7.60	Short
Bookkeeping, Accounting, and Auditing Clerks	\$8.90	\$12.40	Moderate
Team Assemblers	\$7.90	\$10.40	Moderate
Executive Secretaries and Administrative Assistants	\$11.10	\$14.60	Moderate
First-Line Sup/Mngrs Office/ Admin Support Workers	\$11.30	\$17.50	Related Experience
Security Guards	\$7.80	\$10.50	Short
Food Preparation Workers	\$6.40	\$8.00	Short

More Openings

(100 to 299 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Landscaping and Groundskeeping Workers	\$7.10	\$9.70	Short
Bill and Account Collectors	\$9.60	\$13.00	Short
Telemarketers	\$8.40	\$10.70	Short
Truck Drivers, Light or Delivery Services	\$7.90	\$12.10	Short
First-Line Sups/Mngrs Construction/Extraction Workers	\$15.10	\$21.00	Related Experience
Secretaries, Except Legal, Medical, and Executive	\$8.70	\$11.40	Moderate
First-Line Sups/Mngrs Food Prep/Serving Workers	\$9.80	\$12.00	Related Experience
Electricians	\$13.10	\$18.90	Long
Counter and Rental Clerks	\$6.30	\$8.50	Short
Packers and Packagers, Hand	\$6.10	\$8.10	Short
Shipping, Receiving, and Traffic Clerks	\$8.20	\$11.30	Short
Reservation/Transportation Ticket Agents/Travel Clerks	\$8.10	\$12.80	Short
Cooks, Restaurant	\$7.80	\$9.40	Long
Maintenance and Repair Workers, General	\$8.70	\$13.70	Long
Construction Laborers	\$8.40	\$11.40	Moderate
Amusement and Recreation Attendants	\$6.00	\$6.80	Short
Social and Human Service Assistants	\$7.80	\$11.00	Moderate

Source: Utah Department of Workforce Services.

More Openings

(120 to 299 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Painters, Construction and Maintenance	\$9.60	\$13.20	Moderate
Medical Assistants	\$8.20	\$10.00	Moderate
Police and Sheriff's Patrol Officers	\$14.50	\$18.00	Long
Sales Reps, Whlsl/Manuf, Tech and Scientific Products	\$17.00	\$28.20	Moderate
Cleaners of Vehicles and Equipment	\$6.20	\$8.20	Short
Tellers	\$7.80	\$9.30	Short
Billing and Posting Clerks and Machine Operators	\$9.20	\$11.80	Short
Cooks, Fast Food	\$5.90	\$7.00	Short
Child Care Workers	\$6.00	\$7.60	Short
First-Line Sups/Mngrs Production/Operating Workers	\$13.00	\$19.40	Related Experience
Cooks, Institution and Cafeteria	\$6.60	\$8.80	Long
Helpers--Production Workers	\$6.70	\$8.80	Short
First-Line Sups/Mngrs Mechanics/Installers/Repairers	\$12.50	\$20.90	Related Experience
Dental Assistants	\$7.60	\$9.70	Moderate
Interviewers, Except Eligibility and Loan	\$6.20	\$8.40	Short
Plumbers, Pipefitters, and Steamfitters	\$13.20	\$19.50	Long
Packaging and Filling Machine Operators and Tenders	\$7.90	\$10.40	Short

Lots of Openings

(80 to 119 Openings per Year)

	Average Hourly Wage		Training Level
	Entry	Average	
Actors	N/A	N/A	Long
Data Entry Keyers	\$7.90	\$10.00	Moderate
Food Service Managers	\$10.50	\$15.70	Related Experience
Fire Fighters	\$8.10	\$13.60	Long
Pharmacy Technicians	\$10.00	\$12.20	Moderate
Correctional Officers and Jailers	N/A	N/A	Moderate
Helpers--Carpenters	\$6.40	\$8.20	Short
Industrial Truck and Tractor Operators	\$9.20	\$11.90	Short
Heating/Air Conditioning/Refrigeration Mechanics/Installers	\$11.70	\$16.90	Long
Operating Engineers/Other Construction Equip Operators	\$12.10	\$16.40	Moderate
Bus Drivers, School	\$7.40	\$10.30	Short
Library Technicians	\$7.10	\$9.60	Short
Hotel, Motel, and Resort Desk Clerks	\$7.50	\$8.70	Short
Hosts/Hostesses, Restaurant/Lounge/Coffee Shop	\$6.00	\$7.30	Short
Home Health Aides	\$7.40	\$9.60	Short
First-Line Suprs/Managers of Non-Retail Sales Workers	\$12.70	\$22.60	Related Experience
Cabinetmakers and Bench Carpenters	\$8.10	\$11.40	Long
Sheet Metal Workers	\$9.30	\$15.50	Moderate
Driver/Sales Workers	\$6.00	\$11.30	Short
Bartenders	\$5.90	\$7.40	Short
Dining Room/Cafeteria Attendants and Bartender Helpers	\$6.10	\$7.00	Short
File Clerks	\$7.40	\$9.80	Short
Personal and Home Care Aides	\$7.20	\$8.00	Short

Source: Utah Department of Workforce Services.

Supply-side Economics



Just because an occupation is listed in this publication, doesn't mean jobs will be easy to find! These openings cover only the "demand" for occupations. Every good economist knows, you also need to look at the supply-side of the equation. In other words, you need to know the supply of workers available to work in that occupation. Unfortunately, that isn't easy. There's not much supply-side data available.

An occupation may create *hundreds* of new openings a year. BUT, if *thousands* of

workers are qualified for those positions, a bunch of people won't be able to find work in that career!

In other words, look at the supply of labor for a particular occupation—not just the demand data you find in this publication. We do have some figures on the number of people completing certain programs at public institutions. However, that excludes many, many qualified workers.

So, you'll have to do your homework! Check with people already employed in the occu-

pation and employers who hire that occupation to determine whether there is an over- or under-supply of workers.

In addition, some information on shortages and surpluses can be found in the *Occupational Outlook Handbook, 2000-2010* published by the U.S Bureau of Labor Statistics. You can access the occupation you are interested in at this website: <http://www.bls.gov/oco> by using the "search" or "index" buttons.



On the Web

Utah Department of Workforce Services: <http://jobs.utah.gov/wi/occi.asp>

Bureau of Labor Statistics: <http://www.bls.gov/bls/occupation.htm>

O*Net—Occupational Information Network: <http://online.onetcenter.org/>

Career Information for Kids: http://www.bls.gov/k12/html/edu_over.htm

Looking for a job in Utah: <http://jobs.utah.gov/jobseeker/jsservices.asp>

Note:

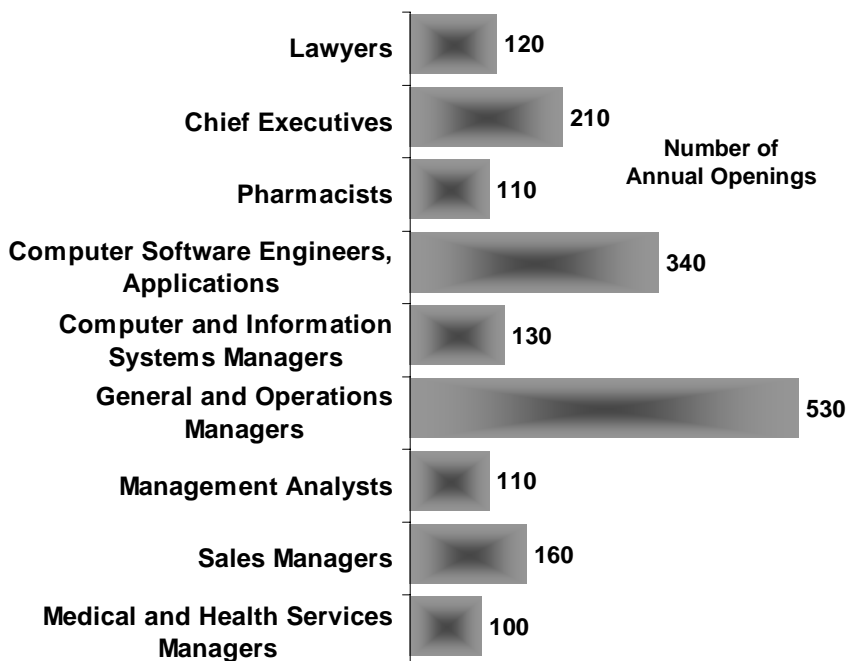
- X** *Some low-paying positions are among those with the most new openings—like occupations in the fast-food industry or retail sales. These are large occupations to begin with. In addition, replacement needs are high because workers typically move on to other occupations.*
- X** *Occupations in healthcare show faster than average growth. Aging baby-boomers will require more medical attention in years to come.*
- X** *Despite a short-term decline in “tech” industries, computer-related occupations will be among the fastest growing occupations in the long term.*

Occupations with Most Utah Metro Openings 2000-2010



Source: Utah Department of Workforce Services.

Highest Paying Utah Occupations with 100 or More Annual Openings 2000-2010



Source: Utah Department of Workforce Services.

What are these Jobs, Anyway?

Some bureaucrats thought up these occupational groups. If you aren't an occupational data junkie, they might be unintelligible. Here's some "regular guy" definitions:

Office and Administrative Support: Secretarial and clerical jobs.

Sales and Related: Jobs where you sell something: cashiers, sales clerks, commission sales, telemarketers, etc.

Food Preparation and Serving: Cooks, chefs, fast food workers, waitresses/waiters, etc.

Construction and Extraction: Construction and mining jobs

Education, Training, and Library: Teachers, professors, trainers, librarians, etc.

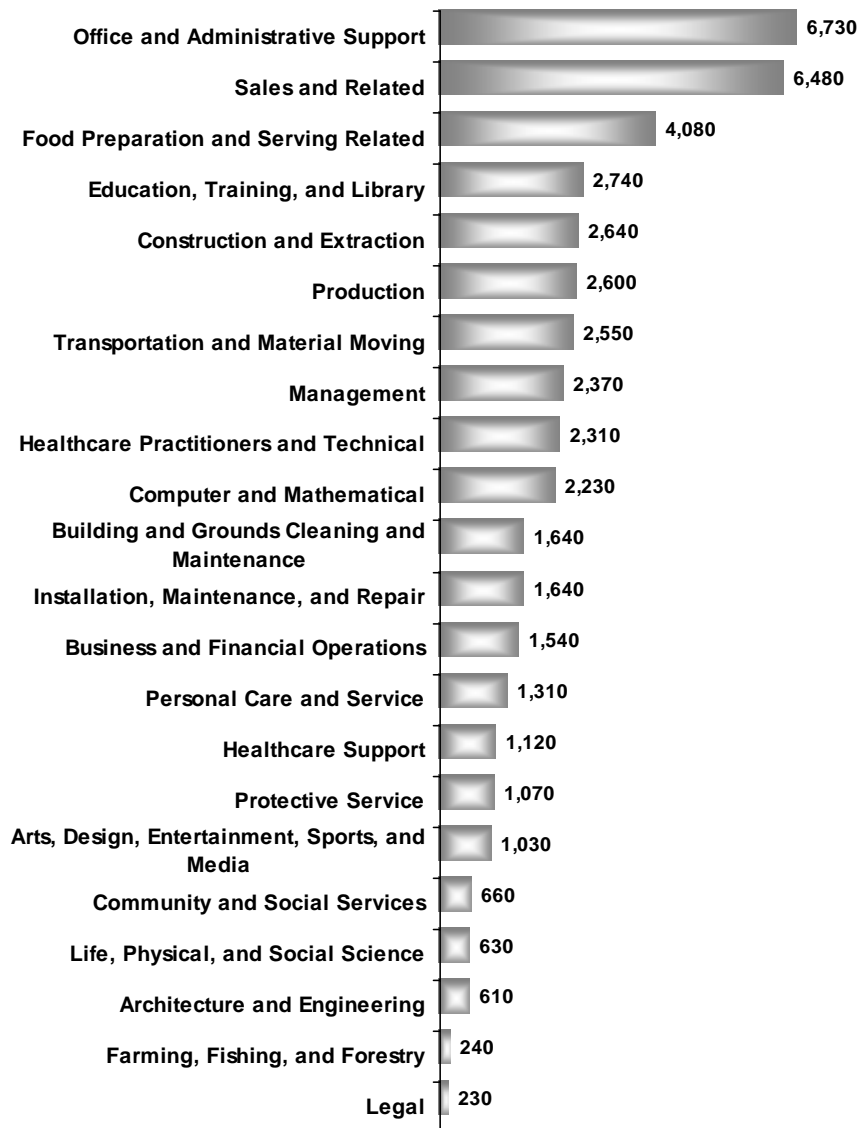
Management: "The boss"—doesn't include the first level of supervision.

Healthcare Practitioners and Technical: Doctors, nurses, dentists, health technicians, etc.

Computer and Mathematical: Programmers, software engineers, database manager, LAN administrators, mathematicians, statisticians, etc.

Building Grounds Cleaning and Maintenance: Janitors, maids, housekeepers, grounds maintenance, etc.

Utah Metro Major Groups Annual Average Openings 2000-2010



Source: Utah Department of Workforce Services.



Installation, Maintenance and Repair: Jobs where you install something or fix something.

Business and Financial Operations: Typically professional jobs which deal in business operations (like a human resource person) or financial operations (like an accountant).

Personal Care and Service: Barbers, hairstylists, funeral attendants, tour guides, child care workers, aerobics instructors, etc.

Protective Service: Police, guards, firefighters, etc.

Healthcare Support: Healthcare aides and orderlies (lower-skilled healthcare).

Art, Design, Entertainment, Sports, Media: Yup, just what it says.

Community and Social Services: Counselors, social workers, clergy.

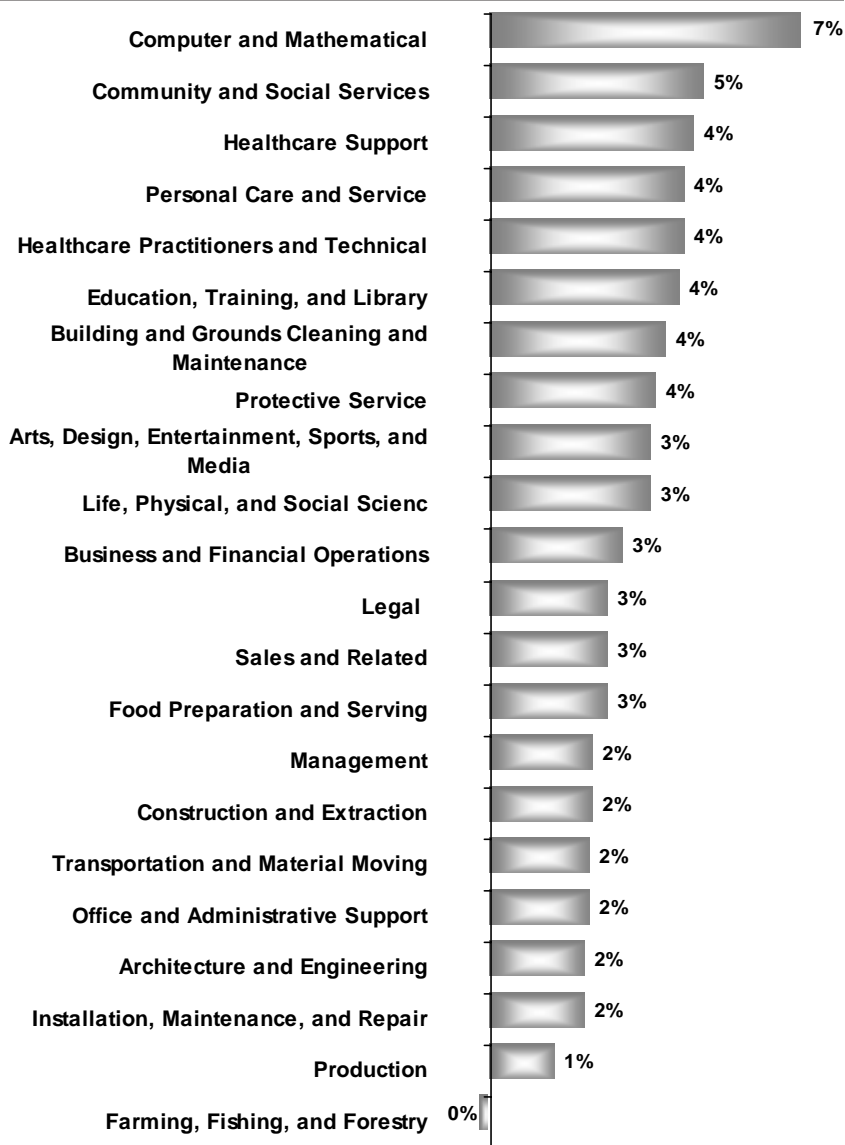
Architecture and Engineering: Architects and engineers.

Life, Physical and Social Science: Scientists of all sorts; biologists, physicists, astronomers, sociologists, political scientists, etc.

Farming, Fishing and Forestry: Farmers, fishers, and forest workers.

Legal: Lawyers, judges and their helpers.

Utah Metro Major Groups Annual Average Growth 2000-2010

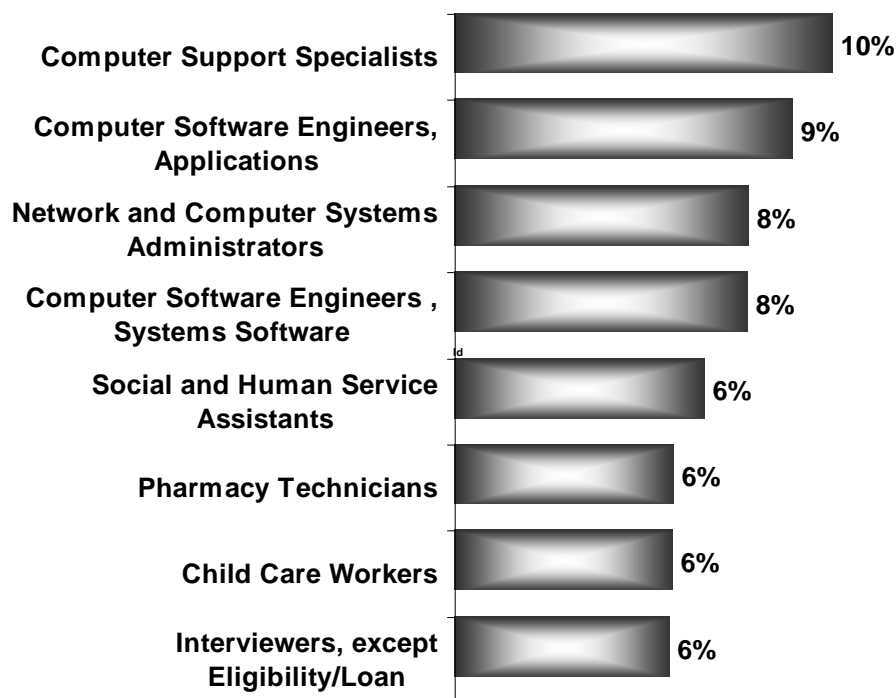


Source: Utah Department of Workforce Services.

What's "Metro?"

In this publication, the "metro" group includes Davis, Salt Lake, Utah, and Weber counties.

Fastest Growing Utah Metro Occupations with 100 or More Annual Openings, 2000-2010



Source: Utah Department of Workforce Services.

Workforce Information generates accurate, timely, and understandable data and analyses that provide knowledge of ever-changing workforce environments to inform sound planning and decision making

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Department of Workforce Services
Attn: Workforce Information
140 East 300 South
Salt Lake City, UT 84145-0249

Telephone: 801/526-9786
Fax: 801/526-9238
email: jkramer@utah.gov



Equal Opportunity Employment Program

Auxiliary aids and services are available upon request to individuals with disabilities. Call (801) 526-9240. Individuals with speech and/or hearing impairments may call the state relay at 1-800-346-4128